

Place value of decimals to thousandths

HOW TO ANSWER TODAY

- **Decimal places.** Tenths is the first digit after the point, hundredths the second, thousandths the third.

In 4.82 the digit in the tenths place is 8. • In 0.345 the hundredths digit is 4.

- **Expanded form (decimals).** Write the decimal as a sum of its parts: ones, tenths, hundredths. Skip any part that is 0.

$$4.52 = 4 + 0.5 + 0.02 \cdot 0.07 = 0.07$$

 STRETCH PROBLEMS

- 1** At the sleepover, Cian works out that his sleeping bag, pillow and a packet of biscuits cost his mam **€3.428** in total before the till rounded to the nearest cent. On a number line, between which two whole euros does **3.428** sit, and which whole euro is it closer to?

- 2 On the coach trip to the Burren, Cian's GPS app shows the bus has travelled **4.191 km** since the last stop. Between which two whole kilometres does **4.191** sit on the number line, and which whole kilometre is it closer to?

- 3** Ms Murphy marks the 5th class sprint times on a number line on the board before the pupils line up at the door for yard. Cian's time was **3.387 seconds** over the class average. Between which two whole numbers does **3.387** sit on the number line, and which whole number is it closer to?

- 4 Saoirse weighs out **5.71 kg** of duck feed for the wardens at the local pond. Write **5.71** in expanded form, showing the ones, tenths and hundredths parts.

- 5 At the Cumann na mBunscol blitz in the county grounds, Tadhg records that his team's average score per match is 6.96 points. Write 6.96 in expanded form, showing the ones, tenths and hundredths parts.